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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/887,026	06/25/2001	Gershon Elber	01/21687	7435
7590	09/20/2004		EXAMINER	
G.E. EHRLICH ( 1995) LTD. c/o ANTHONY CASTORINA SUITE 207 2001 JEFFERSON DAVIS HIGHWAY ARLINGTON, VA 22202			PESIN, BORIS M	
			ART UNIT	PAPER NUMBER
			2174	
DATE MAILED: 09/20/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	09/887,026	ELBER ET AL.
	<b>Examiner</b>	Art Unit
	Boris Pesin	2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 18 May 2004.
- 2a) This action is **FINAL**.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-45 is/are pending in the application.
- 4a) Of the above claim(s) 36-43 is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-35, 44 and 45 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Election/Restrictions***

Applicant's election without traverse of claims 1-35, 44 and 45 in the reply filed on 5/18/2004 is acknowledged.

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claim 45 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

The Applicant claims "said interactions comprising trading using said objects"; however "trading" is not specified in the detailed description.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 20-33 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 20-33 recite the limitation "virtual network computer environment" in Line 1 of all of the claims. There is insufficient antecedent basis for this limitation in these claims.

***Claim Rejections - 35 USC § 102***

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-11, 14-17, 20-28, 31-35, 44 and 45 are rejected under 35 U.S.C. 102(e) as being anticipated by Sato et al. (US 6388667).

In regards to claim 1, Sato teaches a virtual object for use in an object oriented environment; said virtual object comprising at least a user-sensible aspect and further comprising at least a functional aspect (i.e. Figure 2, Elements 28 and 32); the said user-sensible aspect being encapsulated as a user-sensible encapsulation, separately from said functional aspect (i.e. Figure 2, Elements 28 and 32).

In regards to claim 2, Sato teaches a virtual object as claimed in claim 1, said object oriented environment being supported on a computer network comprising a first computer linked to a second computer; wherein the said user-sensible aspect is supported by said first computer and the said functional aspect is supported by said second computer (i.e. Figure 18C, Elements 1304-1 through 1304-n).

In regards to claim 3, Sato teaches a virtual object as claimed in claim 1, where said functional aspect is a behavioral aspect (i.e. Figure 2, Elements 28 and 32).

In regards to claim 4, Sato teaches a virtual object as claimed in claim 1, where said user-sensible aspect comprises at least one of a display aspect and an interaction aspect (i.e. "Actors also include sound control actors, storage region management actors, and actor-to-actor communications actors." Abstract, also Figure 2, Elements 32, and 34).

In regards to claim 5, Sato teaches a virtual object as claimed in claim 1, wherein said functional aspect is encapsulated in a functional encapsulation, and said functional encapsulation is exchangeable for an alternative functional encapsulation, thereby to alter the functionality of the said object (i.e. Figure 2, Elements 24, 32, and 34).

In regards to claim 6, Sato teaches a virtual object as claimed in claim 1, further at least partly defined by a relationship with a second object (Figure 2, Elements 20, 22, 24, and 32).

In regards to claim 7, Sato teaches a virtual object as claimed in claim 6, wherein said relationship is any one of a group comprising a coloring relationship, a positioning relationship, a shape relationship, a timing relationship, a movement relationship, a size relationship, a color relationship, a texture relationship and a reaction relationship (i.e. "The role of the environment actor 32 is to control details such as the color of the background, other than a stage 44, and the brightness of light sources. The roles of the stage actor 34 and the egg actor 36 are to display the stage 44 and an egg 46, respectively, which are static bodies." Column 9, Line 54).

In regards to claim 8, Sato teaches a first virtual object within a virtual computing environment, said first virtual object having a relationship with a second virtual object, said relationship being such that an interaction with said first virtual object is operable to bring about a consequential interaction with at least said second object (i.e. "Actors also include sound control actors, storage region management actors, and actor-to-actor communications actors." Abstract).

In regards to claim 9, Sato teaches a first virtual object as claimed in claim 8 wherein said relationship is direct (Figure 2, Elements 38 and 40, "Actor-to-actor communications").

In regards to claim 10, Sato teaches a first virtual object as claimed in claim 8, wherein said relationship with said second object is an indirect relationship, being a relationship involving at least one mediating interaction with at least one intermediate object (i.e. "The role of the environment actor 32 is to control details such as the color of the background, other than a stage 44, and the brightness of light sources." Column 9, Line 54).

In regards to claim 11, Sato teaches a first virtual object as claimed in claim 10, said relationship with said second virtual object being defined by an order number, said order number being equal to the number of consequentially interacting objects (i.e. Figure 9A).

In regards to claim 14, Sato teaches a first virtual object as claimed in claim 8 wherein said consequential interaction with said at least second object comprises a change in at least one of location, movement, shape, size, status, internal parameters,

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color and texture of said second object (i.e. "With this embodiment, other actors can be used to automatically perform various operations with respect to the thus-configured actors (such as launching an actor into the virtual world or killing it off), so that a virtual world can be constructed on the basis of the laws of cause and effect, making it possible to seem like the real world." Column 7, line 11).

In regards to claim 15, Sato teaches a virtual reality environment comprising a scene and at least one virtual object supported by a scene database (Figure 2, Element 32), said scene database having at least a first interchangeable functional unit associated therewith (Figure 2, Element 20), said first interchangeable functional unit comprising functionality for said at least one first virtual object (Figure 2, Elements 38, 40).

In regards to claim 16, Sato teaches a virtual reality environment as claimed in claim 15, wherein said functionality for at least said first virtual object comprises behavior (Figure 2, Elements 38 and 40, "Walk Actor").

In regards to claim 17, Sato teaches a virtual reality environment as claimed in claim 15, wherein said functionality for at least said first object comprises rules for determining allowable interactions therewith (i.e. "With this embodiment, other actors can be used to automatically perform various operations with respect to the thus-configured actors (such as launching an actor into the virtual world or killing it off), so that a virtual world can be constructed on the basis of the laws of cause and effect, making it possible to seem like the real world." Column 7, line 11).

In regards to claim 20, Sato teaches a virtual reality networked computer environment as claimed in claim 15, said first virtual object comprising a user-sensible aspect, the said user-sensible aspect being encapsulated separately from said interchangeable functional unit (i.e. Figure 2, Elements 28, 30, and 32).

In regards to claim 21, Sato teaches a virtual reality networked computer environment as claimed in claim 20, wherein said user-sensible aspect comprises at least one of data for display of said virtual object and interaction features (i.e. Figure 2, Element 28 and 30).

In regards to claim 22, Sato teaches a virtual reality networked computer environment as claimed in claim 15, wherein said interchangeable functional unit is interchangeable to alter the functionality of said virtual object (Figure 2, Element 22).

In regards to claim 23, Sato teaches a virtual reality networked computer environment as claimed in claim 15, wherein said first interchangeable functional unit comprises object-specific functionality for a plurality of virtual objects (Figure 2, Elements 28 and 30).

In regards to claim 24, Sato teaches a virtual reality networked computer environment as claimed in claim 20, further comprising at least one second virtual object where said first virtual object comprises a relationship with at least one other virtual object (Figure 2, Elements 28 and 30, "Actor-to-actor communications").

In regards to claim 25, Sato teaches a virtual reality networked computer environment as claimed in claim 24, wherein said relationship is direct (Figure 2, Elements 28 and 30, "Actor-to-actor communications").

In regards to claim 26, Sato teaches a virtual reality networked computer environment as claimed in claim 24, said first virtual object having a relationship with said at least one second virtual object such that an interaction applied to said first virtual object causes a consequential interaction with said at least one second virtual object (i.e. "With this embodiment, other actors can be used to automatically perform various operations with respect to the thus-configured actors (such as launching an actor into the virtual world or killing it off), so that a virtual world can be constructed on the basis of the laws of cause and effect, making it possible to seem like the real world." Column 7, line 11).

In regards to claim 27, Sato teaches a virtual reality networked computer environment as claimed in claim 24, wherein said relationship with said at least one second object is an indirect relationship, being a relationship involving at least one mediating interaction with at least one intermediate object (i.e. "The role of the environment actor 32 is to control details such as the color of the background, other than a stage 44, and the brightness of light sources." Column 9, Line 54).

In regards to claim 28, Sato teaches a virtual reality networked computer environment as claimed in claim 27, said relationship with said at least one second object being defined by an order number, said order number being equal to the number of consequentially interacting objects (i.e. Figure 9A).

In regards to claim 31, Sato teaches a virtual reality networked computer environment as claimed in claim 24, wherein said consequential interaction with said at least one second object comprises a change in position of said second object (i.e. "The

character actor 28 is responsible for the head of the character 42 on the screen and the character actor 30 is responsible for the head of another character, which is not shown in the figure. A head script used by the character actors 28 and 30 defines actions to be performed by the characters when they bump into a wall or discover an egg, for example. The role of the walk actors 38 and 40 is to define the walking motion (animation) of each character." Column 9, Line 44).

In regards to claim 32, Sato teaches a virtual reality networked computer environment as claimed in claim 24, wherein said consequential interaction with said at least one second object comprises any one of a group comprising a coloring interaction, a positioning interaction, a shape interaction, a timing interaction, a movement interaction, a size interaction, a color interaction, a texture interaction, a status interaction a sale and an internal parameter changing interaction (i.e. "The character actor 28 is responsible for the head of the character 42 on the screen and the character actor 30 is responsible for the head of another character, which is not shown in the figure. A head script used by the character actors 28 and 30 defines actions to be performed by the characters when they bump into a wall or discover an egg, for example. The role of the walk actors 38 and 40 is to define the walking motion (animation) of each character." Column 9, Line 44).

In regards to claim 33, Sato teaches a virtual reality networked computer environment as claimed in claim 24, wherein said relationship is dynamically defined by a logical query (i.e. "The combination of the information for identifying a method for an actor, the information for identifying a model of a display object represented by an actor,

and the disposition information for a display object represented by an actor may be changeable in real time. With such a configuration, operation could be in accordance with a first method and first disposition information during a first time period and in accordance with a second method and second disposition information during a second time period, by way of example. This makes it possible to implement a virtual world that is full of variety, even with a small number of models and methods, by combining them dynamically." Column 3, Line 33).

In regards to claim 34, Sato teaches a dedicated control element for controlling the functionality of virtual objects belonging to a set of virtual objects within an environment (i.e. "The character actor 28 is responsible for the head of the character 42 on the screen and the character actor 30 is responsible for the head of another character, which is not shown in the figure. A head script used by the character actors 28 and 30 defines actions to be performed by the characters when they bump into a wall or discover an egg, for example. The role of the walk actors 38 and 40 is to define the walking motion (animation) of each character." Column 9, Line 44), said dedicated control element being associated with said environment, and comprising: identification functionality for determining whether a virtual object within said environment is a member of said set (i.e. "The character actor 28 is responsible for the head of the character 42 on the screen and the character actor 30 is responsible for the head of another character, which is not shown in the figure. A head script used by the character actors 28 and 30 defines actions to be performed by the characters when they bump into a wall or discover an egg, for example. The role of the walk actors 38 and 40 is to

define the walking motion (animation) of each character." Column 9, Line 44), and control functionality for processing events received from said identified virtual object (i.e. "The character actor 28 is responsible for the head of the character 42 on the screen and the character actor 30 is responsible for the head of another character, which is not shown in the figure. A head script used by the character actors 28 and 30 defines actions to be performed by the characters when they bump into a wall or discover an egg, for example. The role of the walk actors 38 and 40 is to define the walking motion (animation) of each character." Column 9, Line 44).

In regards to claim 35, Sato teaches a method for facilitating interaction by a plurality of users at a plurality of client terminals with at least a first object, said first object having display and interaction characteristics and functional characteristics (i.e. "The character actor 28 is responsible for the head of the character 42 on the screen and the character actor 30 is responsible for the head of another character, which is not shown in the figure. A head script used by the character actors 28 and 30 defines actions to be performed by the characters when they bump into a wall or discover an egg, for example. The role of the walk actors 38 and 40 is to define the walking motion (animation) of each character." Column 9, Line 44), in a networked virtual reality environment (i.e. Figure 18C); said method comprising: encapsulating the display characteristics in a display and interaction part of said first object (i.e. Figure 2, Elements 28 and 30), encapsulating functional characteristics in a functional part of said first object (i.e. Figure 2, Elements 28 and 30), downloading said display and interaction part of said first object to user client terminals (i.e. Figure 18C, Elements 1302), and

retaining said functional part of said first object at a remote location networked with said user client terminals (i.e. Figure 18C, Element 1300).

In regards to claim 44, Sato teaches a method for controlling the functionality of a set of virtual objects within an environment, comprising: incorporating allowable functionality for said set of virtual objects within a dedicated control element associated with said environment (i.e. "The character actor 28 is responsible for the head of the character 42 on the screen and the character actor 30 is responsible for the head of another character, which is not shown in the figure. A head script used by the character actors 28 and 30 defines actions to be performed by the characters when they bump into a wall or discover an egg, for example. The role of the walk actors 38 and 40 is to define the walking motion (animation) of each character." Column 9, Line 44), incorporating identification functionality within said dedicated control element to enable said dedicated control element to distinguish between virtual objects within said set and virtual objects not within said set, and thereby allowing said dedicated control element to control virtual objects within said set "The character actor 28 is responsible for the head of the character 42 on the screen and the character actor 30 is responsible for the head of another character, which is not shown in the figure. A head script used by the character actors 28 and 30 defines actions to be performed by the characters when they bump into a wall or discover an egg, for example. The role of the walk actors 38 and 40 is to define the walking motion (animation) of each character." Column 9, Line 44, if the object is within the path of the actor then it is in the set, therefore the actor interacts with it).

In regards to claim 45, Sato teaches a method for facilitating interaction by a plurality of users at a plurality of client terminals with at least a first object, said first object having display characteristics and functional characteristics, in a networked virtual reality environment; said method comprising: encapsulating the display characteristics in a display and interaction part of said first object (i.e. Figure 2, Elements 28 and 30), encapsulating functional characteristics in a functional part of said first object (i.e. Figure 2, Elements 28 and 30), downloading said display and interaction part of said first object to user client terminals (i.e. Figure 18C, Element 1302), retaining said functional part of said first object at a remote location networked with said user client terminals (i.e. Figure 18C, Element 1300), and said interactions comprising trading using said objects (i.e. Figure 16).

#### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

The factual inquiries set forth in *Graham v. John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 12, 13, 18, 19, 29, and 30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sato et al. (US 6388667) in view of Matsuda (US 6734885).

In regards to claim 12, Sato teaches all the limitations of claim 11. Sato does not teach a virtual object having a predetermined interaction limit, and an interaction stopper operable to prevent further consequential interactions occurring once a number of interactions corresponding to said interaction limit has been reached. Matsuda teaches "In an observation study, for example, a number of clients each want to see and walk about the 3-dimensional virtual space by operating its avatar. For each operation, the amount of system processing increases, causing the amount of communication on a transmission line to rise as well since every avatar shares information with other avatars. For this reason, it is necessary to impose an upper limit on the number of clients allowed to participate in the 3-dimensional virtual space each as a guest who wants to have experience of the 3-dimensional virtual space before becoming a regular client." Column 2, Line 31). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Sato with the teachings of Matsuda and put a limit on the number of interactions between objects with the motivation to maintain the speed and usability of the virtual world.

In regards to claim 13, Sato and Matsuda teach all the limitations of claim 13. Sato does not teach a virtual object wherein said predetermined interaction limit is specific to at least one of an interaction order and an interaction type, and said interaction stopper is operable to stop interactions within said specificity. Matsuda teaches "In an observation study, for example, a number of clients each want to see

and walk about the 3-dimensional virtual space by operating its avatar. For each operation, the amount of system processing increases, causing the amount of communication on a transmission line to rise as well since every avatar shares information with other avatars. For this reason, it is necessary to impose an upper limit on the number of clients allowed to participate in the 3-dimensional virtual space each as a guest who wants to have experience of the 3-dimensional virtual space before becoming a regular client." Column 2, Line 31). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Sato with the teachings of Matsuda and put a limit on the number of interactions between objects based on the order with the motivation to maintain the speed and usability of the virtual world.

In regards to claim 18, Sato teaches all the limitations of claim 15. Sato does not specifically teach a virtual reality environment wherein said functionality comprises rules for determining non-allowable interactions therewith. Matsuda teaches "In an observation study, for example, a number of clients each want to see and walk about the 3-dimensional virtual space by operating its avatar. For each operation, the amount of system processing increases, causing the amount of communication on a transmission line to rise as well since every avatar shares information with other avatars. For this reason, it is necessary to impose an upper limit on the number of clients allowed to participate in the 3-dimensional virtual space each as a guest who wants to have experience of the 3-dimensional virtual space before becoming a regular client." Column 2, Line 31).

In regards to claim 19, Sato and Matsuda teach all the limitations of claim 18. Sato does not teach a virtual reality environment, wherein said functionality comprises rules for restricting allowable interactions therewith. Matsuda teaches "In an observation study, for example, a number of clients each want to see and walk about the 3-dimensional virtual space by operating its avatar. For each operation, the amount of system processing increases, causing the amount of communication on a transmission line to rise as well since every avatar shares information with other avatars. For this reason, it is necessary to impose an upper limit on the number of clients allowed to participate in the 3-dimensional virtual space each as a guest who wants to have experience of the 3-dimensional virtual space before becoming a regular client." Column 2, Line 31).

In regards to claim 29, Sato teaches all the limitations of claim 28. Sato does not teach a virtual reality networked computer environment as claimed in claim 28, having a predetermined interaction total, and an interaction limiter operable to stop further first order consequential interactions occurring when a number of first order interactions equaling said predetermined interaction total has been reached. Matsuda teaches "In an observation study, for example, a number of clients each want to see and walk about the 3-dimensional virtual space by operating its avatar. For each operation, the amount of system processing increases, causing the amount of communication on a transmission line to rise as well since every avatar shares information with other avatars. For this reason, it is necessary to impose an upper limit on the number of clients allowed to participate in the 3-dimensional virtual space each as a guest who

wants to have experience of the 3-dimensional virtual space before becoming a regular client." Column 2, Line 31). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify Sato with the teachings of Matsuda and put a limit on the number of interactions between objects with the motivation to maintain the speed and usability of the virtual world.

In regards to claim 30, Sato teaches all the limitations of claim 24. Sato does not teach a virtual reality networked computer environment as claimed in claim 24, having a predetermined interaction total, and an interaction limiter operable to stop further consequential interactions occurring when a number of interactions equaling said predetermined interaction total has been reached Matsuda teaches "In an observation study, for example, a number of clients each want to see and walk about the 3-dimensional virtual space by operating its avatar. For each operation, the amount of system processing increases, causing the amount of communication on a transmission line to rise as well since every avatar shares information with other avatars. For this reason, it is necessary to impose an upper limit on the number of clients allowed to participate in the 3-dimensional virtual space each as a guest who wants to have experience of the 3-dimensional virtual space before becoming a regular client." Column 2, Line 31).

*Inquiry*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Boris Pesin whose telephone number is (703) 305-8774. The examiner can normally be reached on Monday-Friday except every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on (703) 308-0640. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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